

Docket No.: FR 000078

IN THE CLAIMS:

1. (Currently Amended) A data processing arrangement comprising:

- an input circuit ~~{INP}~~ for forming data items into successive groups of data ~~{GRP}~~ and for generating a basic control data item ~~{BCD}~~ and an additional control data item ~~{SCD}~~ for each group of the successive groups of data ~~{GRP}~~ the additional control data item ~~{SCD}~~ indicating for each data item if this data item is valid or not valid;
- a data processing circuit ~~{PRC}~~, containing a plurality of terminals ~~{1, 2, 3, 4}~~, for processing the data applied to the terminals in order to obtain an output data item; and
- an interconnection network ~~{ICN}~~ comprising a plurality of logic circuits, each of which corresponds to one of said plurality of terminals, for supplying a plurality of final control values based on the basic control data item and the additional control data item, wherein the interconnection network for applying applies selected ones of the data items in a selected one of the successive groups of data ~~{GRP}~~ from said input circuit to corresponding ones of said plurality of terminals ~~{1, 2, 3, 4}~~ of said processing circuit ~~in dependence on the basic control data item {BCD} if the corresponding final control value indicates the data item is valid and, wherein one of the plurality of logic circuit replaces a basic control value of the corresponding basic control data item if the corresponding final control value indicates the data item is not valid, to apply a valid data item selected from among the data items within the selected group of data instead.~~

2. (Currently Amended) A method of processing data, comprising the steps of:

forming data items into successive groups of data ~~{GRP}~~ and generating a basic control data item ~~{BCD}~~ and an additional control data item ~~{SCD}~~ for each group of the successive groups data ~~{GRP}~~, said additional control data item ~~{SCD}~~ indicating for each data item if this data item is valid or not valid;

supplying a plurality of final control values based on the basic control data item and the additional control data item;

applying the data items in a selected one of the successive groups of data ~~{GRP}~~ to terminals ~~{1, 2, 3, 4}~~ of a processor ~~{PRC}~~ ~~in dependence on the basic control data item {BCD} if the corresponding final control value indicates the data item is valid; and~~ ~~[,]~~

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replacing a basic control value of the corresponding basic control item if the corresponding final control value indicates the data item is not valid[[,]] to apply a valid data item selected from among the data items within the selected group of data instead, wherein the data items applied are processed in order to obtain an output data item.

3. (Currently Amended) A computer program product, stored on a computer readable medium for a data processing arrangement, the "computer program" product comprising a set of instructions which, when loaded into a data processing arrangement, causes this arrangement to carry out the following steps:

a forming step in which data items are formed into successive groups of data {GRP} and a basic control data item {BCD} and an additional control data item {SCD} are generated for each of the successive groups of data {GRP}, said additional control data item {SCD} indicating for each data item if this data item is valid or not valid;

a supplying step for supplying a plurality of final control values based on the basic control data item and the additional control data item;

an application step in which data items of a selected one of the successive groups of data {GRP} are applied to terminals [1, 2, 3, 4] of a processor ~~in dependence on the basic control data item {BCD}~~ if the corresponding final control value indicates the data item is valid; [[and,]]

a replacement step for replacing a basic control value of the corresponding basic control data item if the corresponding final control value indicates the data item is not valid[[,]] to apply a valid data item selected from among the data items within the selected group of data instead; and

a processing step performed in said processor {PRC} in which the data items applied are processed in order to obtain an output data item.

4. (Currently Amended) The arrangement as recited in claim 1, wherein said basic control data item {BCD} indicates for each data item one of a ~~plurality of~~ said plurality of terminals [1, 2, 3, 4] to which the data item is applied.

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5. (Currently Amended) The method as recited in claim 2, wherein said basic control data item ~~[BCD]~~ indicates for each data item one of a plurality of said terminals ~~[1, 2, 3, 4]~~ to which the data item is applied.

6. (Currently Amended) The product as recited in claim 3, wherein said basic control data item ~~[BCD]~~ indicates for each data item one of a plurality of said terminals ~~[1, 2, 3, 4]~~ to which the data item is applied.